
TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL

SPREADER, AGGREGATE; TOWED; FORCE FEED;
PNEUMATIC TIRES; 8-FT. WIDTH
(BURCH CORP MODEL FF-8)

FSN 3895-130-3633

HEADQUARTERS, DEPARTMENT OF THE ARMY

JUNE 197

WARNING

Make certain that all air is expelled from the transport tire assemblies and the traction tire assembly before attempting to remove the tire from the rim.

DEATH

or severe injury may result if personnel fail to observe safety precaution.

Stand clear of the spreader two hitch while the towing vehicle is backing for a hookup. Make certain towing vehicle is stopped and the clutch control lever is in neutral before making adjustments or removing foreign material from the hopper.

SEVERE INJURY

may result if personnel fail to observe safety precautions. Do not attempt to insert back off plate while roller is turning.

Severe injury may result if personnel fail to observe safety precautions.

**ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE MANUAL**

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CHAPTER	Section		Paragraph
	1.	INTRODUCTION	
	I.	General	
		Scope	1-1
		Maintenance forms and records	1-2
		Reporting of errors	1-3
	II.	Description and Data	
		Description	1-4
		Tabulated data	1-5
CHAPTER	2.	ORGANIZATIONAL MAINTENANCE INSTRUCTIONS	
Section	I.	Service Upon Receipt of Materiel	
		Inspection and servicing the equipment	2-1
		Installation	2-2
	II.	Movement to a New Worksite	2-4
		Dismantling for movement	
		Reinstallation after movement to a new worksite	2-3
	III.	Repair Parts, Special Tools and Equipment	
		Tools and equipment	2-5
		Special tools and equipment	2-6
		Repair Parts	2-7
	IV.	Lubrication Instruction	
		General lubrication information	2-8
		Detailed lubrication information	2-9
	V.	Preventive Maintenance Checks and Services	
		General	2-10
		Preventive maintenance checks and services	2-11
	VI.	Troubleshooting	
	VII.	Maintenance of Aggregate Spreader	
		General	2-12
		Transport wheel assembly	2-13
		Tires and tubes	2-14
		Truck hitch assembly	2-15
		Transport tongue	2-16
		Roller assembly	2-17
		Spreader hitch assembly	2-18
		Gate adjustment lever	2-19
		Agitator assembly	2-20
		Feed roll assembly	2-21
		Chains	2-22
		Wheel bearings	2-23

*This manual together with TM 5-3895-330-10 17 May 1971 supersedes TM 5-3895-330-15, 6 November 1968

	Clutch control lever	2-28	2-1
	Clutch	2-29	2-1
	Gear box assembly	2-30	2-1
CHAPTER	3. DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE INSTRUCTIONS		
Section	I. Repair Parts, Special Tools and Equipment		
	Tools and equipment	3-1	3-1
	Special tools and equipment	3-2	3-1
	Direct support and general support maintenance repair parts	3-3	3-1
	II. Troubleshooting		
	III. Removal and Installation of Major Components		
	Coupler hitch assembly	3-4	3-1
	Agitator assembly	3-5	3-2
	Feed roll assembly	3-6	3-4
	Gear box assembly	3-7	3-6
CHAPTER	4. REPAIR INSTRUCTIONS		
	General	4-1	4-1
	Roller assembly	4-2	4-1
	Coupler hitch assembly	4-3	4-2
	Agitator	4-4	4-2
	Feed roll assembly	4-5	4-5
	Gear box assembly	4-6	4-5
APPENDIX	A. REFERENCE		
	B. MAINTENANCE ALLOCATION CHART		

2-3	Transport wheel assembly.....
2-4	Truck hitch assembly removal and installation.....
2-5	Roller assembly removal and installation
2-6	Traction wheel assembly.....
3-1	Coupler hitch assembly removal and installation.....
3-2	Agitator assembly removal and installation.....
3-3	Feed roll assembly removal and installation.....
3-4	Gear box assembly removal and installation.....
4-1	Roller assembly
4-2	Coupler hitch assembly
4-3	Agitator assembly
4-4	Gear box assembly



Section I. GENERAL

1-1. Scope

This manual is published for the use of organizational, direct support, and general support maintenance personnel responsible for maintenance of the force feed spreader. Instruction for destruction of materiel to prevent enemy use will be found in TM 750-244-3. Instruction for preparation for shipment and limited storage will be found in TM 740-90-1.

1-2. Maintenance Forms and Records

Maintenance forms, records, and reports which are to be used by maintenance personnel at all

maintenance levels are listed in and prescribed by TM 38-750.

1-3. Reporting of Errors

Report of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommendations for Changes to Publications) and forwarded directly to Commanding General, U. S. Army Mobile Equipment Command, ATTN: AMSME-M, 4300 Goodfellow Boulevard, St. Louis, Mo. 63103.

Section II. DESCRIPTION AND DATA

1-4. Description

A general description of the spreader is contained in TM 5-3895-330-10. A more detailed description of specific components and assemblies is contained in the applicable maintenance paragraphs of this manual.

1-5. Tabulated Data

Refer to TM 5-3895-330-10 for tabulated data for the spreader.



Section I. SERVICE UPON RECEIPT OF MATERIEL

2-1. Inspection and Servicing the Equipment

- a. Inspect the aggregate spreader for broken or missing parts.
- b. Make a complete visual inspection to see that the publications and attachments are on or with spreader.
- c. Lubricate the spreader in accordance with current lubrication order, LO 5-3895-330-12.
- d. Inflate traction drive tires to 65 lbs. psi pressure.

2-2. Installation

- a. *Transport Wheels.* Remove the transport wheels as follows:

- (1) Remove the operator's platform and all other hardware from the hopper.

- (2) Attach four (4) slings or chains (having a minimum length of ten (10) feet) to the four (4) lifting attachments.

- (3) Using a suitable lifting device (crane, loader, wrecker, etc.), raise the spreader (1) inch off the ground.

- (4) Remove bolts from the right side of transport wheels assembly support bracket (fig. 2-1).

- (5) Remove bolts from the left side of transport wheel assembly support bracket.

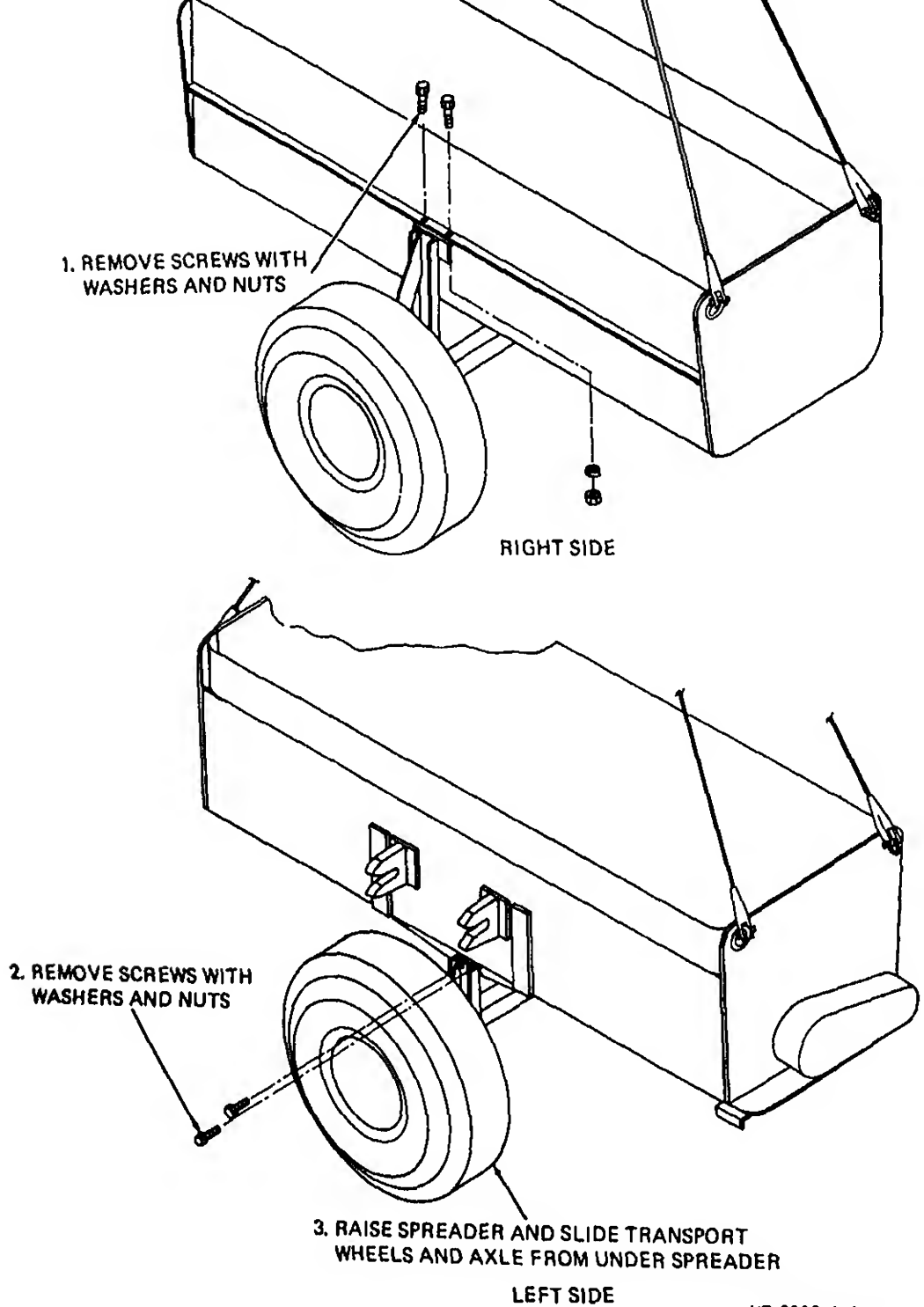
- (6) Raise spreader to clear the axle of transport assembly.

- (7) Roll the transport assembly out from under the spreader.

- (8) Lower the spreader to the ground to complete assembly operation.

- b. *Platform Assembly.* Install the platform assembly on the right side of the spreader hooking it over the lip on the top of the spreader.

- c. *Transport Tongue.* Remove the cotter pins and pins (fig. 2-2).



ME 3895-330-24/2.1

Figure 2-1. Transport wheel assembly removal and installation.

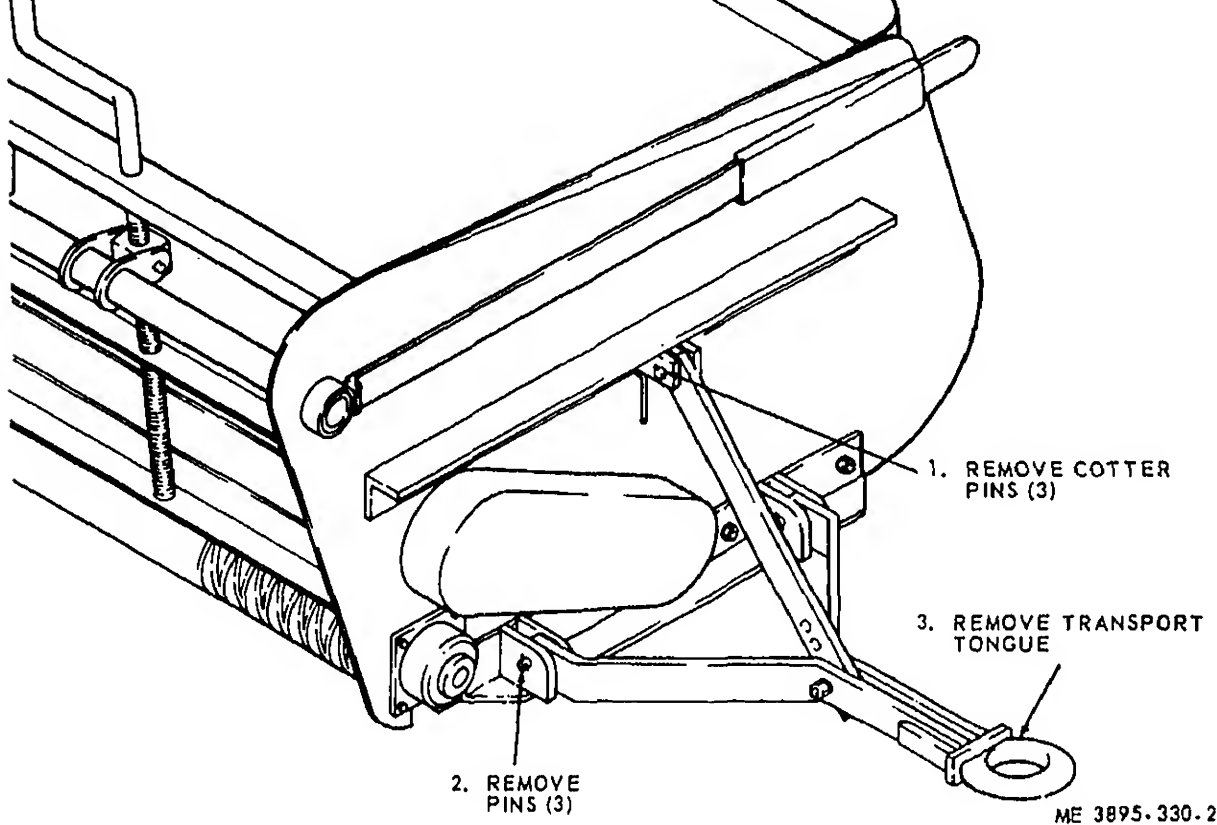


Figure 2-2. Transport tongue and installation.

Section II. MOVEMENT TO A NEW WORKSITE

2-3. Dismantling for Movement

Depending on distance to be traveled, the spreader is readied for movement as follows:

a. *Short Move.* Refer to chapter 2 of TM 5-3895-330-10.

b. *Long Move.* The transport wheel assembly is used when moving a long distance. The transport wheel assembly is installed as follows.

(1) Remove the operator's platform.

(2) Attach four (4) slings or chains (having a minimum length of ten (10) feet) to the four (4) lifting attachment.

(3) Using a suitable lifting device (crane

loader, wrecker, etc.) raise the spreader to sufficient height to clear the axle of the transport wheel assembly.

(4) Roll the transport wheel assembly under the spreader.

(5) Attach the transport wheel assembly with the attaching hardware as illustrated in figure 2-1.

2-4. Reinstallation After Movement to a New Worksite

For reinstallation after movement, refer to paragraph 2-2.

2-8. Special Tools and Equipment

There are no special tools and equipment required for maintenance of the spreader.

Section IV. LUBRICATION INSTRUCTION

2-8. General Lubrication Information

This section provides organizational maintenance personnel with the necessary instruction to clean and lubricate the spreader.

2-9. Detailed Lubrication Information

a. *Care of Lubricants.* When storing and handling lubricants, make certain containers are clean and securely covered to prevent dirt, dust, or other foreign material from entering. Be sure the lubricant is clean before using it.

b. *Cleaning.* Clean all surfaces surrounding the point to be lubricated before applying the lubricant. Use a clean cloth dampened in cleaning solvent to clean the surfaces and lubrication

fittings before lubricating. Remove all excess lubricant after lubricating.

c. *Points of Lubrication.* Lubricate the spreader at the points shown in the lubrication order, LO 5-3895-880-12. Do not overlubricate. This is not only wasteful, but it will cause dirt to collect on vital parts and cause undue wear. Apply grease to a fitting until it appears around the part being lubricated, unless otherwise specified. Do not underlubricate since this will cause wear to moving parts.

d. *Special Lubrication Instructions for Unusual Conditions.* Lubrication intervals will be more frequent when operating the spreader in sand, or in rainy, humid, or salt-water areas.

Section V. PREVENTIVE MAINTENANCE CHECKS AND SERVICE

2-10. General

To insure that the spreader is ready for operation at all times, it must be inspected systematically so that defects may be discovered and corrected before they result in serious damage or failure. The preventive maintenance checks and services to be performed are listed as described in paragraph 2-11. The item numbers indicate the sequence of inspection requirements. Defects discovered during operation of the unit will be noted for future correction, to be made as soon as operation has ceased. Stop

operation immediately if a deficiency is noted during operation which would damage the equipment if operation were continued. All deficiencies and shortcomings will be recorded, together with the corrective action taken on the spreader, at the earliest possible opportunity.

2-11. Preventive Maintenance Checks and Services

To perform preventive maintenance checks and services, refer to table 2-1.

Table 2-1. Preventive Maintenance Checks and Services.

Organizational Maintenance Category			Monthly Schedule (or quarterly)	
Sequence number	Item to be Inspected	Procedures	Paragraph	
1	Publications	See that a copy of the current lubrication order LO 5-3895-330-12 is with the equipment.		
2	Appearance	Inspect the general appearance of the spreader, paying particular attention to the legibility of instruction and data plates and cleanliness of the unit. Also, the condition of the paint.		
3	Modification work orders	Correct any deficiencies noticed or report to Direct Support Maintenance.		
4	Levers and linkage	See that all modification work orders applying to the force feed spreader have been completed and recorded.	DA Forms 2409 as amended and 2-28.	
5	Bearings and shafts	Check all levers and linkage for proper operation.	Refer to paragraph 2-28.	
6	Frame	Repair or report any deficiencies noticed to, Direct Support Maintenance.	Refer to paragraph 2-28.	
7	Transport wheels assembly	Inspect the bearings and shaft on the roller. Make sure that the bearings turn easily and the shaft is not bent.	Refer to paragraph 2-28.	
8	Traction wheel assembly	Repair all deficiencies or report to Direct Support Maintenance.	Refer to paragraph 2-28.	
9	Clutch	Check the hopper for cracks, breaks or broken welds.	Refer to paragraph 2-28.	
10	Truck hitch	Report any deficiencies to Direct Support Maintenance.	Refer to paragraph 2-28.	
11	Spreader hitch	Check the transport wheels assembly for cracks, breaks, or bends.	Refer to paragraph 2-28.	
12	Gear box assembly	Repair any deficiencies noticed.	Refer to paragraph 2-28.	
13	Chains	Inspect the traction wheel assemblies for cracks, breaks, or bends. Check for separation of the two rims.	Refer to paragraph 2-28.	
		Repair any deficiencies or report to Direct Support Maintenance.	Refer to paragraph 2-28.	
		Check the jaw-type clutch to insure that it engages the forward and reverse sprockets properly.	Refer to paragraph 2-28.	
		Inspect the truck hitch for breaks, damaged hardware or connections.	Refer to paragraph 2-28.	
		Repair or report any deficiencies to Direct Support Maintenance.	Refer to paragraph 2-28.	
		Inspect the spreader hitch for breaks, damaged hardware or connections.	Refer to paragraph 2-28.	
		Repair or report any deficiencies to Direct Support Maintenance.	Refer to paragraph 2-28.	
		Inspect the sprockets for chipped or cracked teeth.	Refer to paragraph 2-28.	
		Inspect the chains for cracked or broken links.	Refer to paragraph 2-28.	
		Replace defective chain.	Refer to paragraph 2-28.	

This section provides information useful in diagnosing and correcting unsatisfactory operation or failure of the spreader and its components. Malfunctions which may occur are listed

in chart 2-1. Each malfunction stated is followed by a list of probable causes of the trouble. The corrective action recommended is described opposite the probable cause.

Chart 2-1. Troubleshooting.

Malfunction	Probable cause	Corrective action
1. Roller does not operate	a. Chain broken b. Chain off sprocket c. Chain broken on traction drive axle.	a. Replace chain (para 2-22). b. Install chain (para 2-22). c. Replace chain (para 2-22).
2. Traction wheels binding	a. Pillow block bearings stuck. b. Chain in chain drive transmission broken. Bearing not turning freely.	a. Replace pillow block bearings (para 2-23). b. Replace chain (para 2-22).
3. Transport wheel binding		Replace wheel bearing (para 2-13.)
4. Gate does not open	a. Foreign matter holding gate. b. Gate bent or broken.	a. Clean out gate opening (para 2-26). b. Repair gate (para 2-26).

Section VII. MAINTENANCE OF AGGREGATE SPREADER

2-12. General

This section provides repair instruction for all items which are the responsibility of organizational maintenance as authorized by the maintenance allocation chart.

2-13. Transport Wheel Assembly

a. *Removal.* Remove the wheel assembly as described in paragraph 2-2.

b. *Disassembly.* Disassemble the wheel assembly as illustrated in figure 2-3.

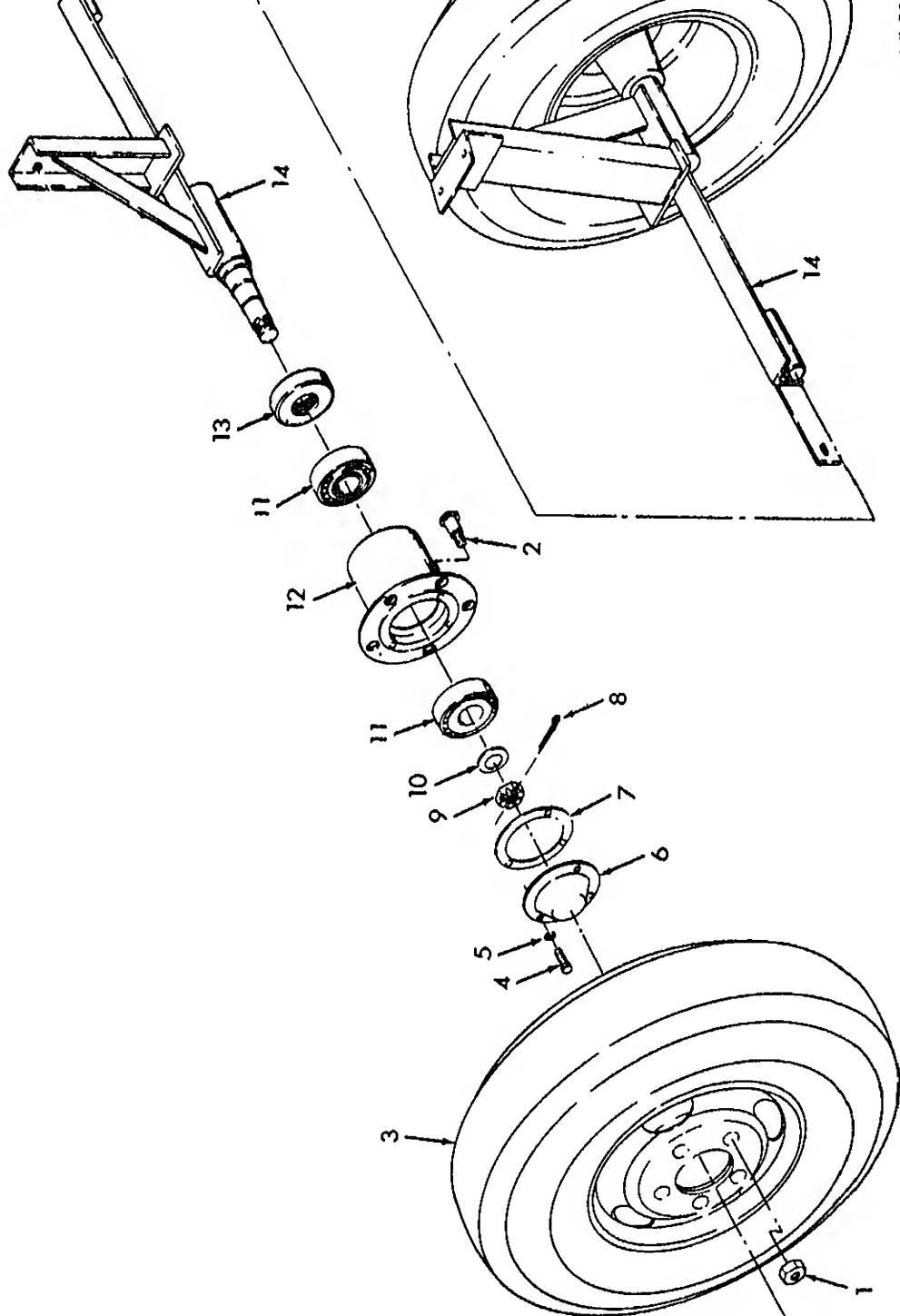
c. *Cleaning.* Clean the metal components cleaning solvent and dry thoroughly.

d. *Inspection.* Inspect the assembly as described in table 2-2. Visually inspect bearing for wear.

e. *Repair or Replacement.* Repair or replace defective components. If bearings are worn excessively, replace them.

f. *Reassembly.* Reassemble the wheel assembly in the reverse order of the disassembly.

g. *Installation.* Install the wheel assembly as illustrated in paragraph 2-2.

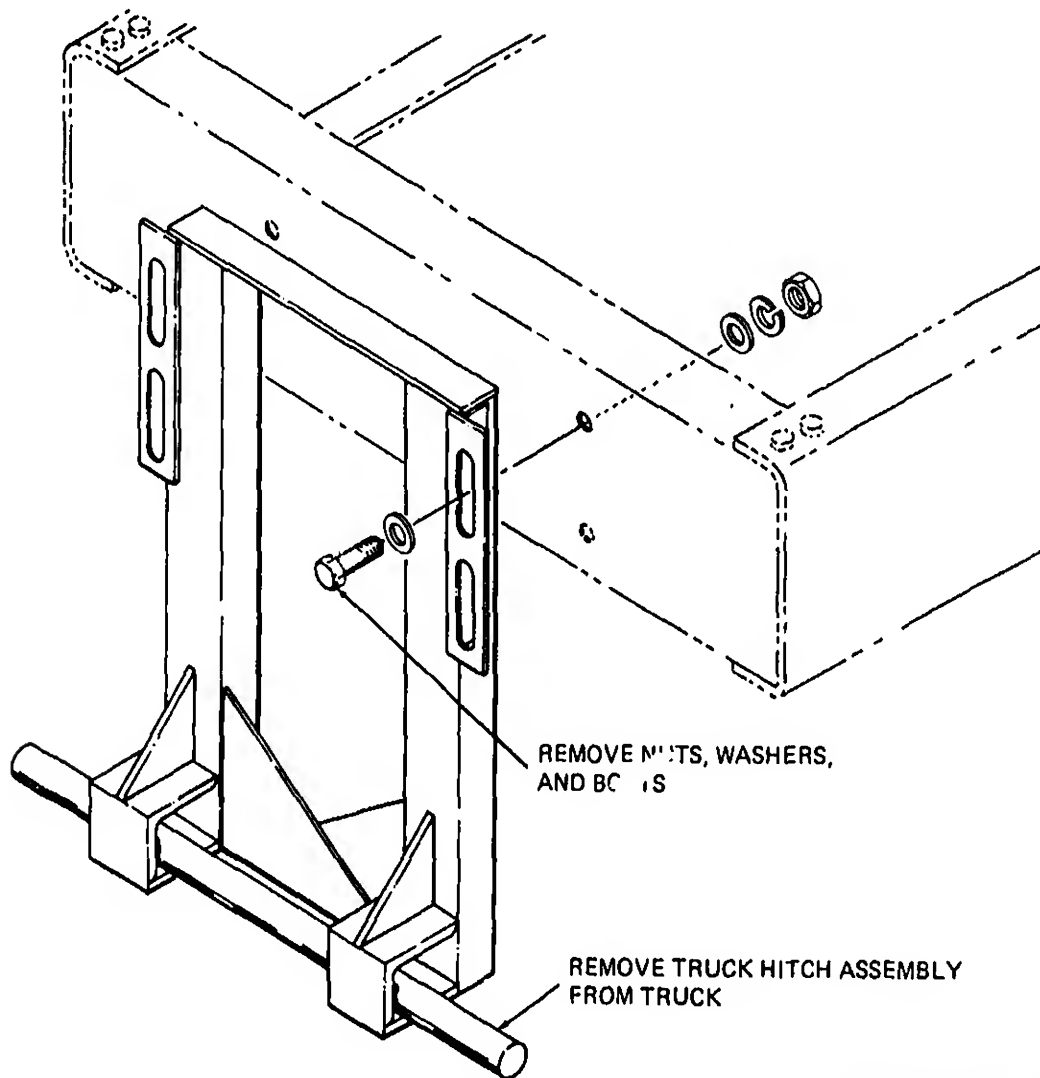


- 1 Nut
- 2 Bolt
- 3 Wheel
- 4 Screw
- 5 Lockwasher

- 6 Cap
- 7 Gasket
- 8 Cotter pin
- 9 Nut
- 10 Washer

- 11 Bearing
- 12 Hub
- 13 Seal
- 14 Axle assembly

Figure 2-3. Transport wheel assembly.



ME 3895-330-24/2-4

Figure 2-4. Truck hitch assembly, removal and installation.

2-16. Transport Tongue

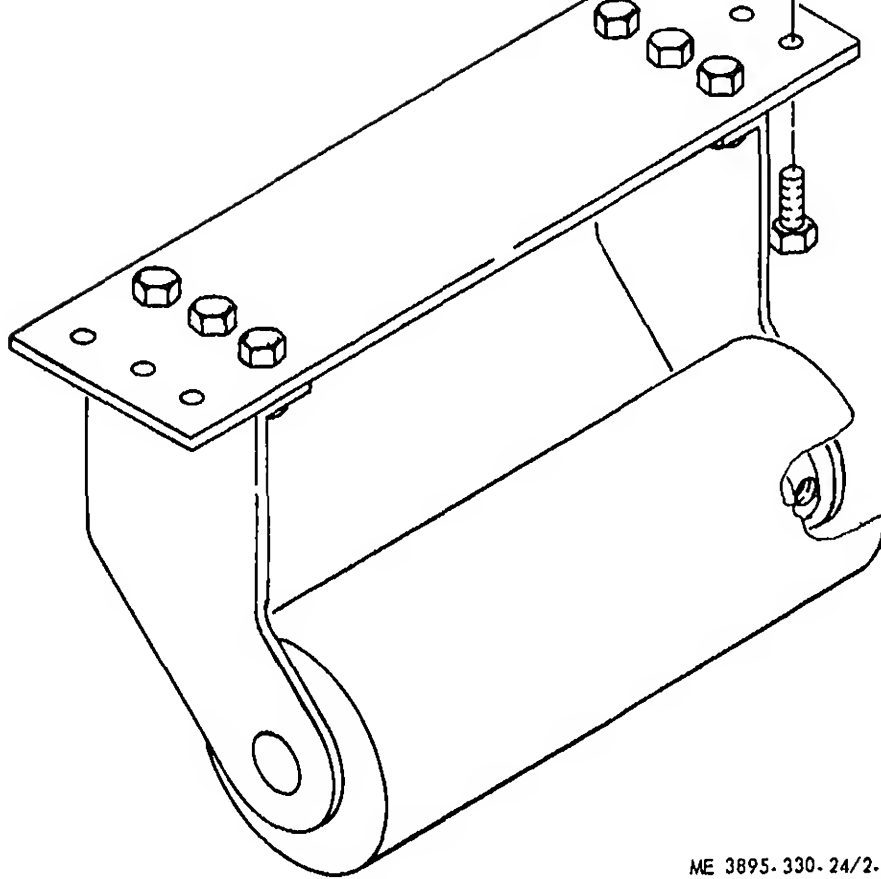
a. Removal. Remove the transport tongue as shown in figure 2-2.

b. Replacement. Replace the transport tongue as shown in figure 2-2.

2-17. Roller Assembly

a. Removal. Remove the roller assembly as shown in figure 2-5.

b. Installation. Install the roller assembly as shown in figure 2-5.



ME 3895-330-24/2-5

Figure 2-5. Roller assembly.

2-18. Spreader Hitch Assembly

The spreader hitch is a welded frame with spring-loaded latches. When the towing vehicle is backed into it, the spreader hitch locks both together.

a. Inspection. Inspect the hitch assembly for breaks or bends. Inspect the hardware for stripped threads or broken pieces.

b. Service. Make sure the hitch is properly lubricated at all times. Refer to LO 5-3895-330-12 for lubrication instructions.

2-19. Gate Adjustment Lever

a. Removal. Remove the gate adjustment lever by removing the attaching hardware which holds it to the gate assembly.

b. Repair. Repair any cracks or bends in the gate adjustment lever.

c. Replacement. If the gate adjustment lever is broken or badly worn, replace the lever with a new one.

2-20. Agitator Assembly

The agitator assembly operates at the bottom of the hopper to deliver an even flow of material into the feed roll.

a. Inspect the agitator assembly to insure that it is not bent or broken. Make sure that the assembly does not bind or make excessively noise when rotated.

b. Lubricate bearings in pillow block assembly. See LO 5-3895-330-12.

c. Report to direct support maintenance for replacement of damaged agitator assembly.

2-21. Feed Roll Assembly

The feed roll assembly is located at the bottom

damage such as breaks or bends. The feed roll assembly cannot be regrooved.

b. *Service.* Make sure the feed roll bearings are properly lubricated at all times. Refer to LO 5-3895-330-12.

2-22. Chains

Repair or replace any broken chains on the aggregate spreader.

2-23. Wheel Bearings

The pillow block bearing function is to hold the wheel assemblies to the spreader.

a. *Inspection.* Inspect the wheel bearings for cracks or breaks. Include servicing the pillow block bearings see LO 5-3895-330-12.

2-24. Traction Wheel Assembly

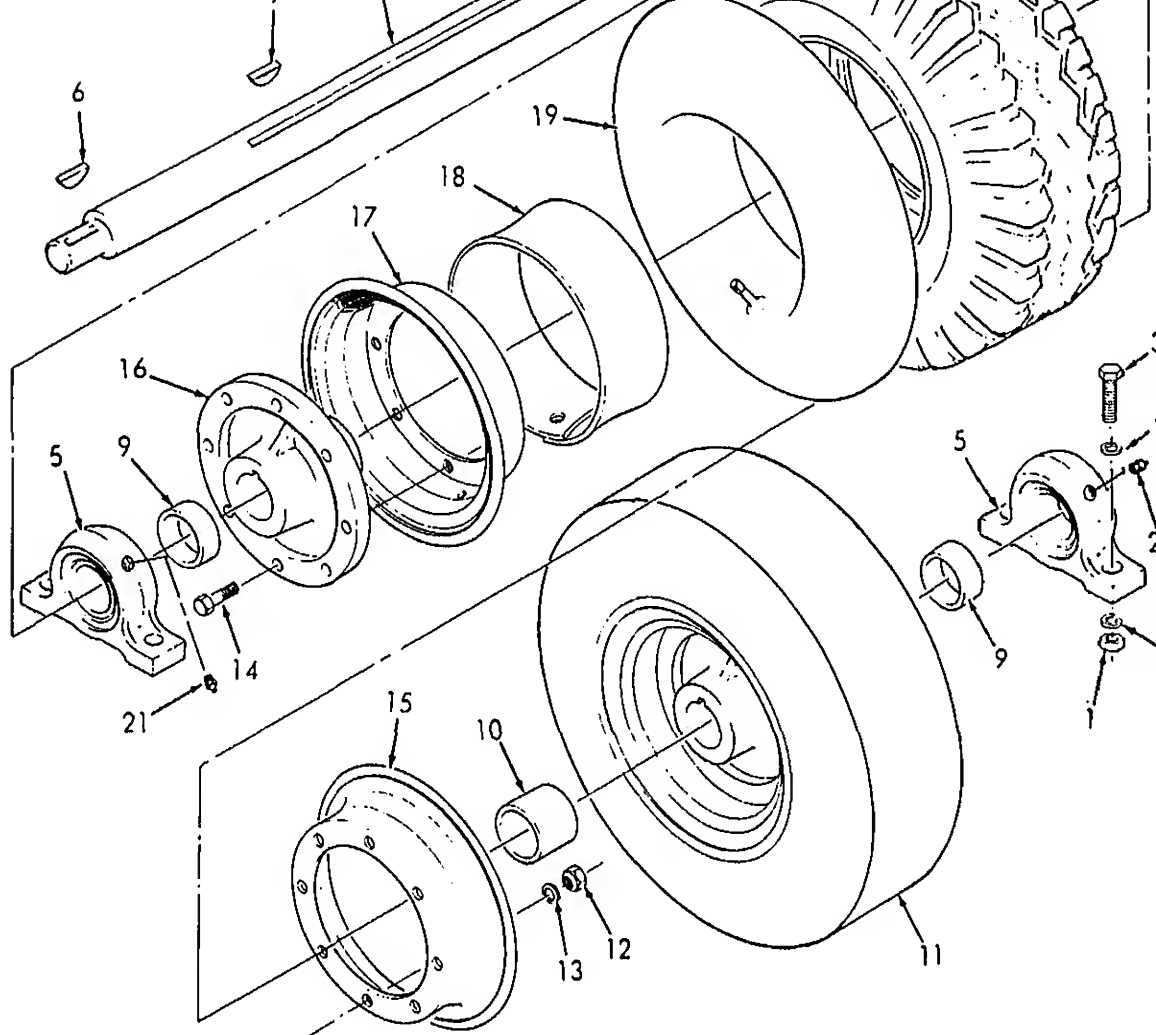
a. *Removal.* Remove the traction wheel assembly as shown in figure 2-6.

b. *Inspection.* Inspect the assembly for any breaks or broken welds. Inspect the attaching hardware for stripped threads.

c. *Adjustment.* Make sure that the spacers are in place and all attaching hardware is tight.

d. *Repair.* Repair any breaks or cracks in the welds. Replace any parts that are badly bent.

e. *Replacement.* Replace the wheel assembly as illustrated in figure 2-6.



ME 3895-330-24/2

- 1 Nut
- 2 Lockwasher
- 3 Bolt
- 4 Flatwasher
- 5 Pillow block bearing
- 6 Key
- 7 Key
- 8 Axle
- 9 Spacer
- 10 Spacer

- 11 Wheel
- 12 Nut
- 13 Lockwasher
- 14 Bolt
- 15 Rim
- 16 Hub
- 17 Rim
- 18 Flap
- 19 Tube
- 20 Tire

Figure 2-6. Traction wheel assembly.

2-25. Hopper Assembly

The hopper assembly is a welded frame which holds the material to be spread.

a. Inspection. Inspect the hopper assembly for cracks or dents that may cause operational trouble.

b. Repair. Repair any breaks or cracks with welds on the hopper assembly.

2-26. Gate Assembly

The purpose of the gate assembly is for even distribution of material from the hopper.

2-27. Drive Shaft

The drive shaft is located between the gear box and the traction wheels and powers the gear box.

a. Inspection. Inspect the drive shaft for bends or breaks.

b. Service. Make sure that the drive shaft is properly lubricated at all times. Refer to LO 5-3895-330-12.

2-28. Clutch Control Lever

The clutch control lever is used to engage and disengage the clutch.

a. Inspection. Inspect the clutch lever for cracks or bends.

b. Service. Insure that all of the attaching hardware is tight at all times.

2-29. Clutch

a. Inspection. Inspect the clutch to insure that it engages the forward and reverse sprocket

keeps tension on the clutch control lever. The tension can be adjusted by either tightening or loosening the locknuts on the end of the rod. To increase the tensions, turn the locknut clockwise; to decrease the tension, turn the nut counterclockwise.

2-30. Gear Box Assembly

The gear box assembly is a combination of gear shafts and a clutch which drive the feed roll and agitator assemblies of the spreader.

a. Inspection. Inspect the gear box assembly for cracks or breaks. Inspect gear box to see if gears will turn. Inspect sprocket for broken or missing teeth.

b. Service. Check the level of oil in the gear box and make sure a proper level is maintained at all times. Refer to LO 5-3895-330-12.

c. Repair or Replacement. Replace the gear box assembly if damaged to the extent that the gears will not turn. Replace sprocket if teeth are missing or if sprocket is damaged in any way. Reference figure 3-4.

Section I. REPAIR PARTS, SPECIAL TOOLS AND EQUIPMENT

3-1. Tools and Equipment

Tools and equipment authorized for maintenance of the spreader are listed in the applicable "TOE" for direct and general support maintenance units responsible for maintaining the spreader.

3-2. Special Tools and Equipment

There are no special tools and equipment re-

quired for direct and general support maintenance of the spreader.

3-3. Direct Support and General Support Maintenance Repair Parts

Direct and general support maintenance repair parts are listed and illustrated in TM 5-3895 380-24P.

Section II. TROUBLESHOOTING

This section provides information useful in diagnosing and correcting unsatisfactory operation or failure of the spreader and its components. Malfunctions which may occur are listed

in Chart 3-1. Each malfunction stated is followed by a list of probable causes of the trouble. The corrective action recommended is described opposite the probable cause.

Chart 3-1. Troubleshooting.

Malfunction	Probable cause	Corrective action
1. Coupler hitch assembly does not latch	a. Broken tension spring b. Bent or broken hitch	a. Replace spring (para 4-2). b. Repair or replace the hitch (para 4-2).
2. Chain not contacting sprocket properly	a. Chain broken b. Sprocket teeth broken	a. Replace chain (para 2-22). b. Replace sprocket (para 2-30).

Section III. REMOVAL AND INSTALLATION OF MAJOR COMPONENTS

3-4. Coupler Hitch Assembly

a. *Removal.* Remove the coupler assembly as shown in figure 3-1.

b. *Installation.* Install the coupler hitch assembly in the reverse order of the sequence shown in figure 3-1.

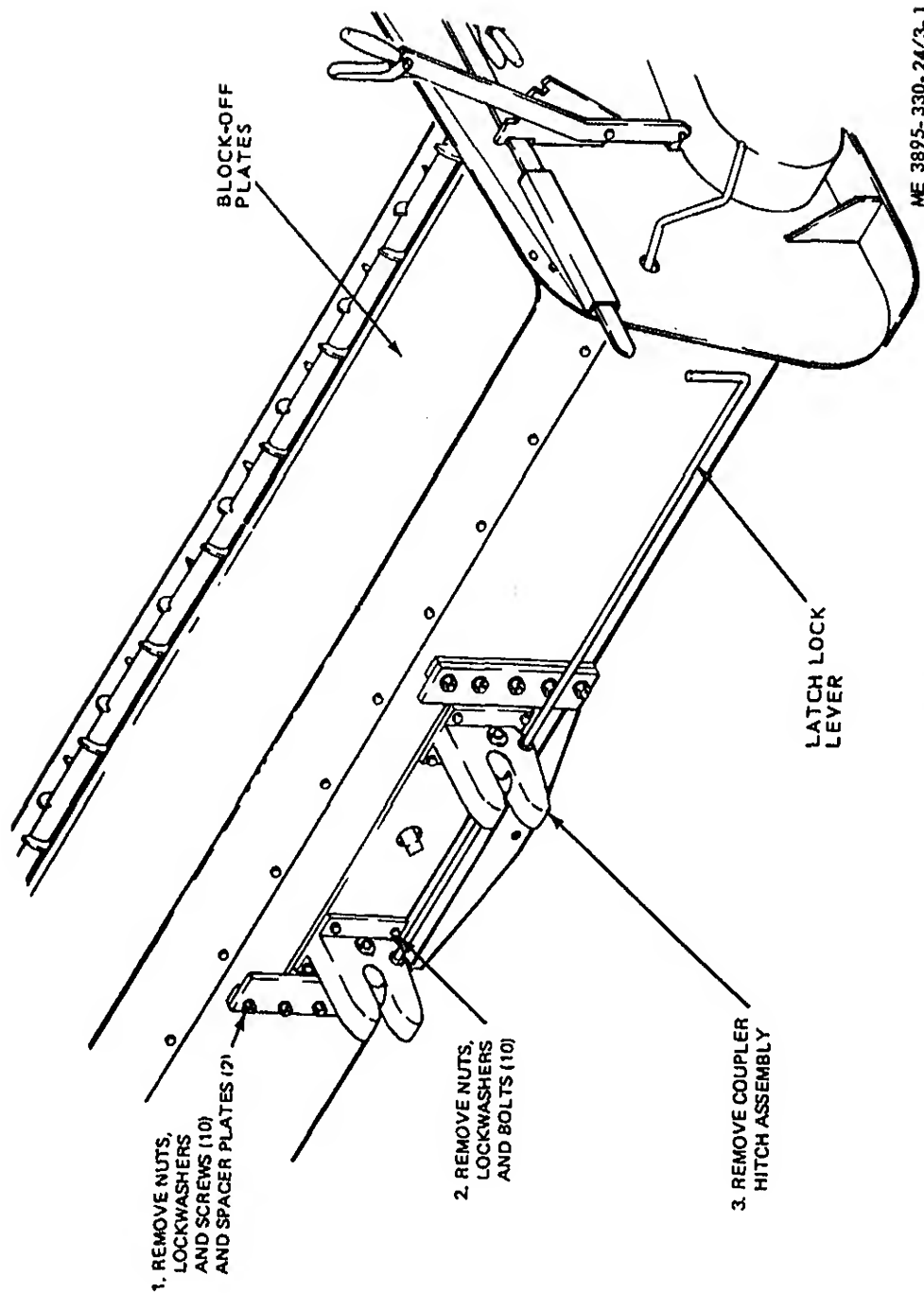


Figure 3-1. Coupler hitch assembly removal and installation.

3-5. Agitator Assembly

- a. *Removal.* Remove the agitator assembly as shown in figure 3-2.
- b. *Installation.* Install the agitator assembly in the reverse order of the sequence shown in figure 3-2.

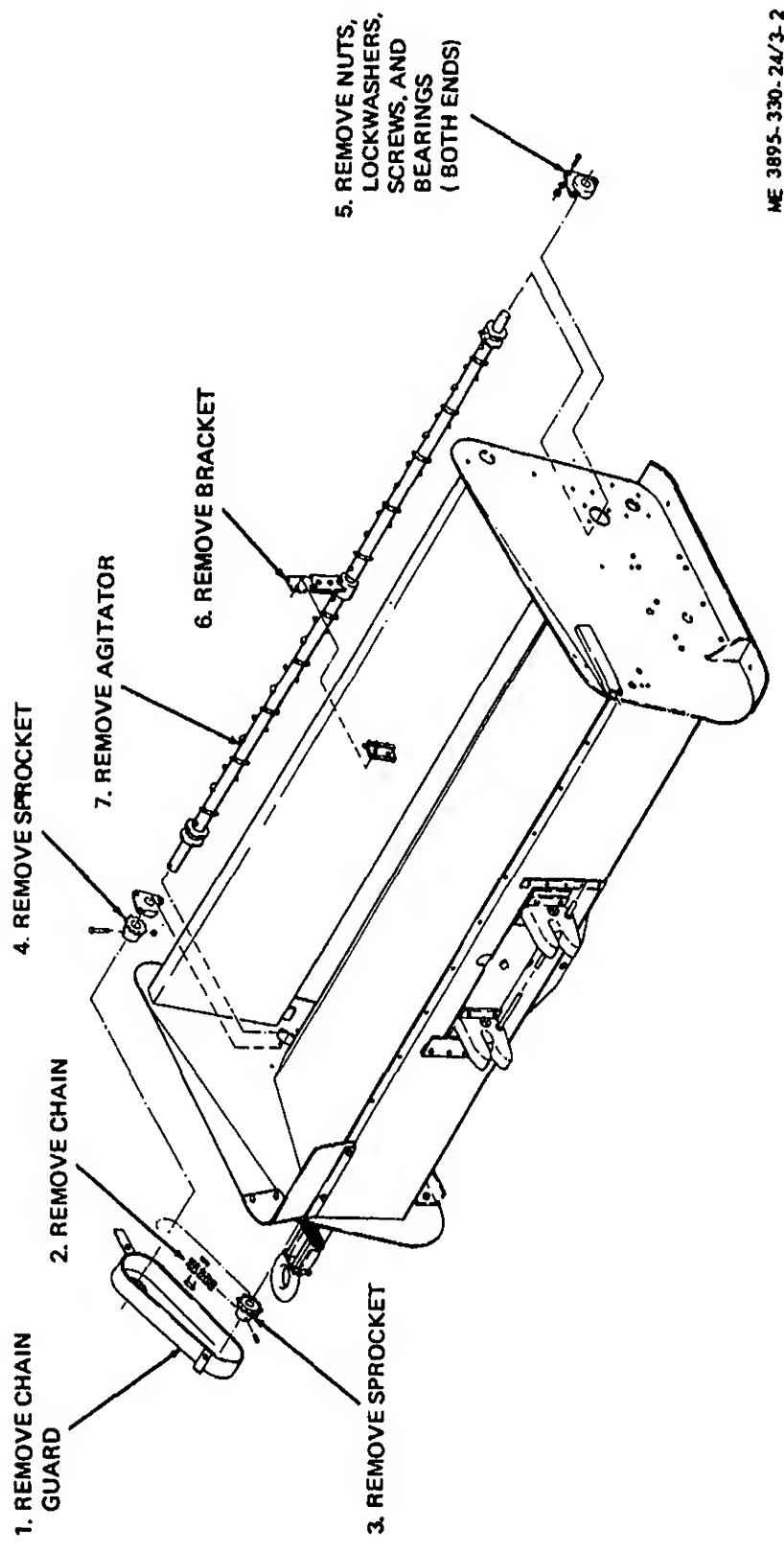


Figure 3-2. Agitator assembly removal and installation.

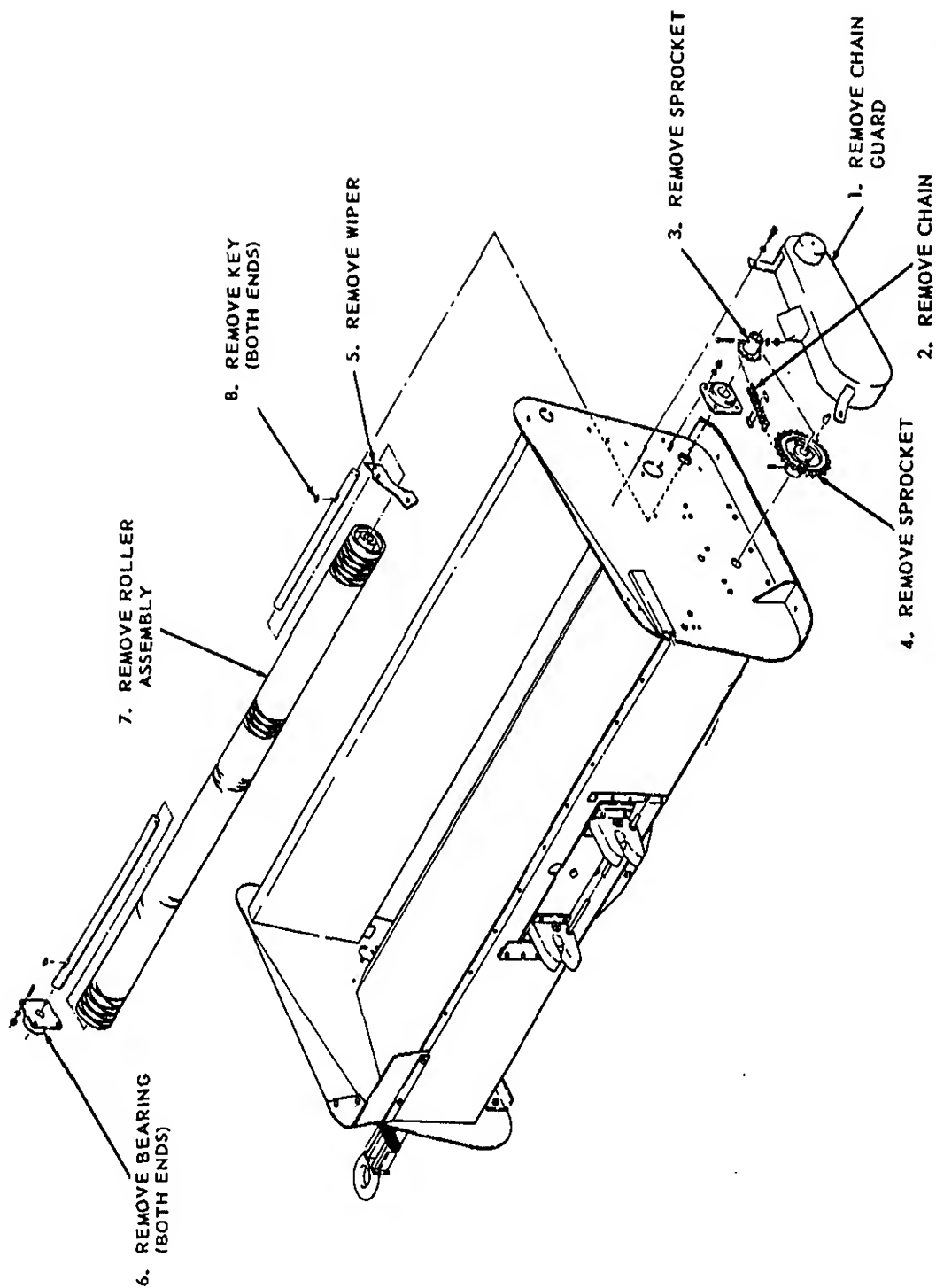
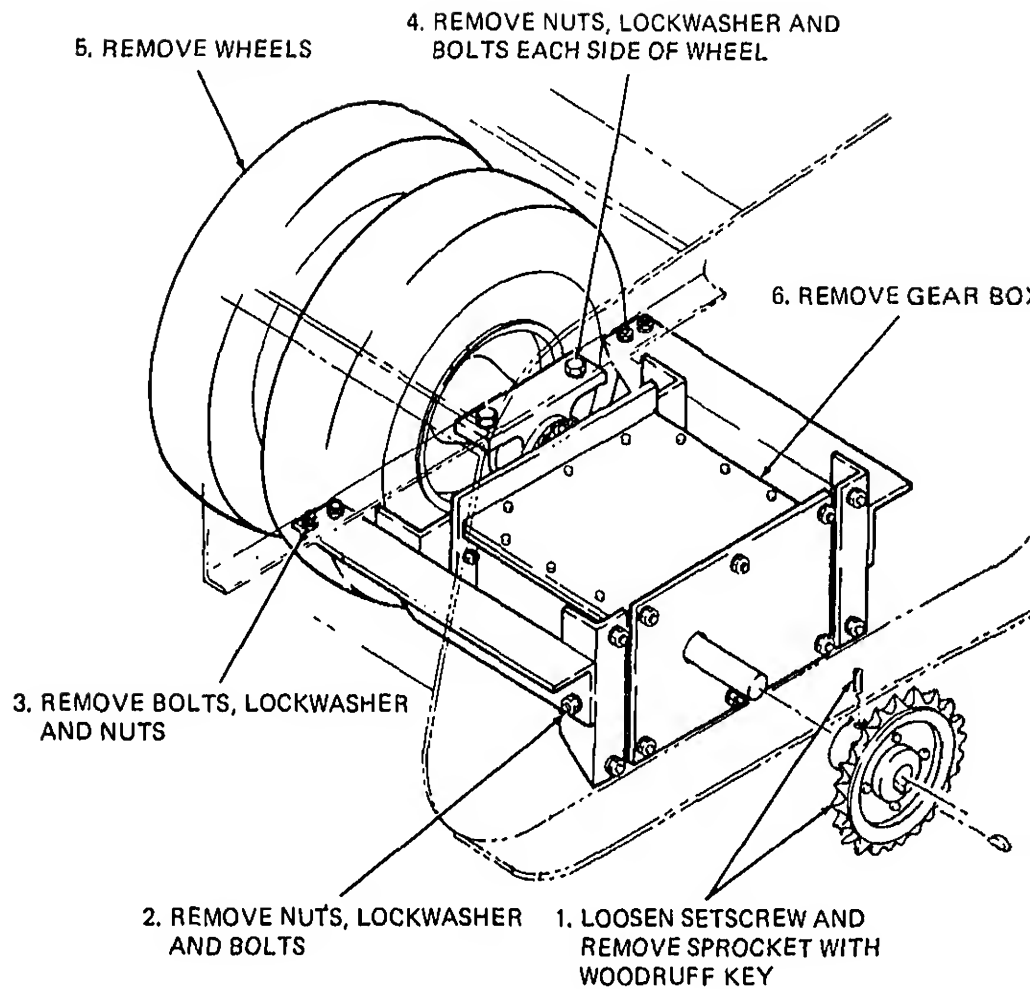


Figure 3-3. Feed roll assembly removal and installation.

MF 3895-330-24/3-3



ME 3895-3

Figure 3-4. Gear Box assembly removal and installation.

4-1. General

This chapter covers the removal, disassembly, cleaning, inspection, repair or replacement, reassembly, and installation of components of the spreader as authorized by the maintenance allocation chart.

4-2. Roller Assembly

a. *Removal.* Remove the roller assembly as described in paragraph 2-17.

b. *Disassembly.* Disassemble the roller assembly as illustrated in figure 4-1.

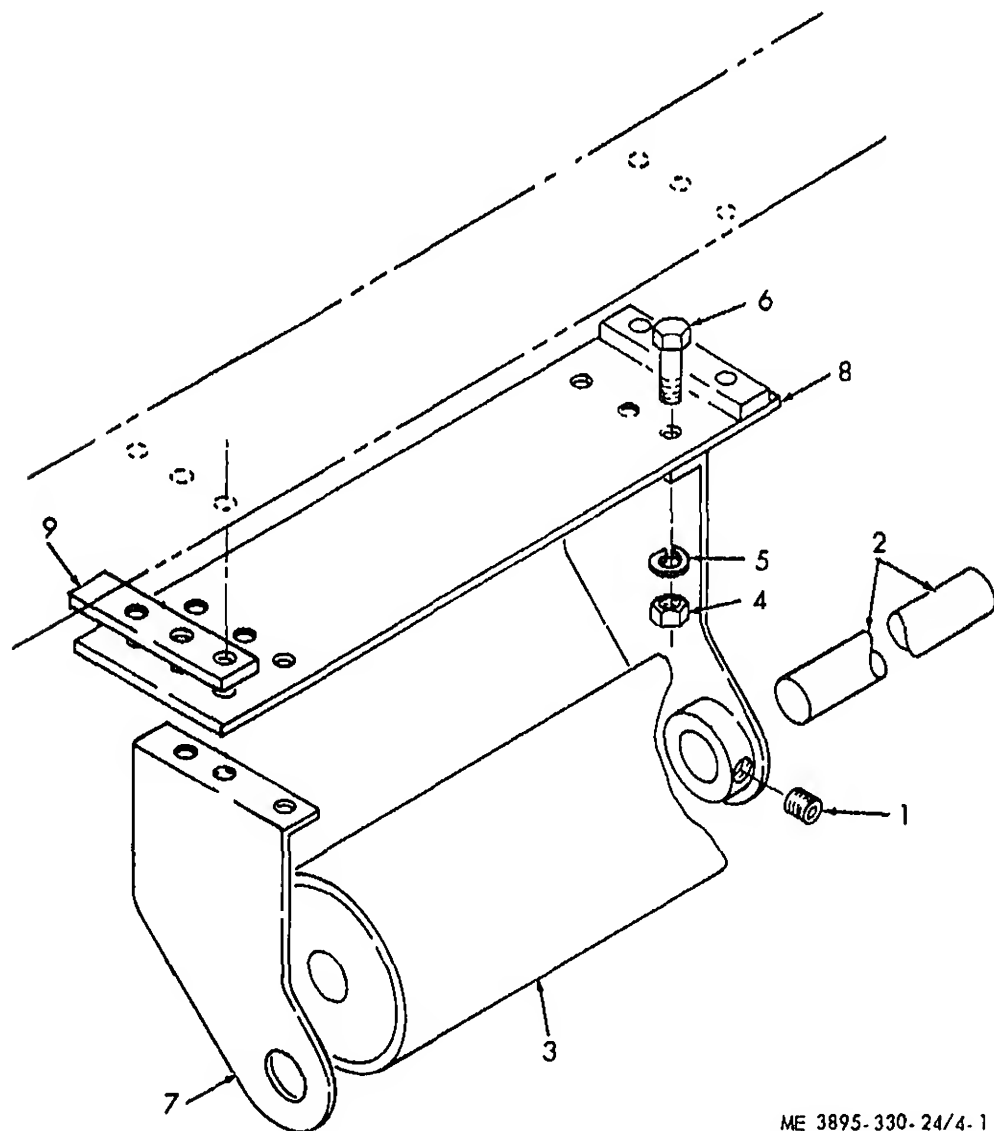
c. *Cleaning.* Clean all parts of the assembly in cleaning solvent and dry thoroughly.

d. *Inspection.* Inspect the roller for cracks, breaks, or damaged shaft.

e. *Repair or Replacement.* Repair all parts that are not able to operate properly.

f. *Reassembly.* Reassemble the roller assembly in the reverse order of the disassembly.

g. *Installation.* Install the roller assembly as described in paragraph 2-17.



ME 3895-330-24/4-1

1 Setscrew
2 Shaft

3 Roller
4 Nut

5 Lockwasher
6 Bolt

7 Bracket
8 Plate

9 Spacer

Figure 4-1. Roller assembly.

sembly as described in paragraph 3-4.

b. *Disassembly.* Disassemble the coupler hitch assembly as illustrated in figure 4-2.

c. *Cleaning.* Clean all parts of the coupler hitch assembly in cleaning solvent and dry thoroughly.

e. *Repair or Replacement.* Repair or replace any broken or badly worn parts.

f. *Reassembly.* Reassemble the coupler hitch assembly in the reverse order of disassembly.

g. *Installation.* Install the coupler hitch as described in paragraph 3-4.

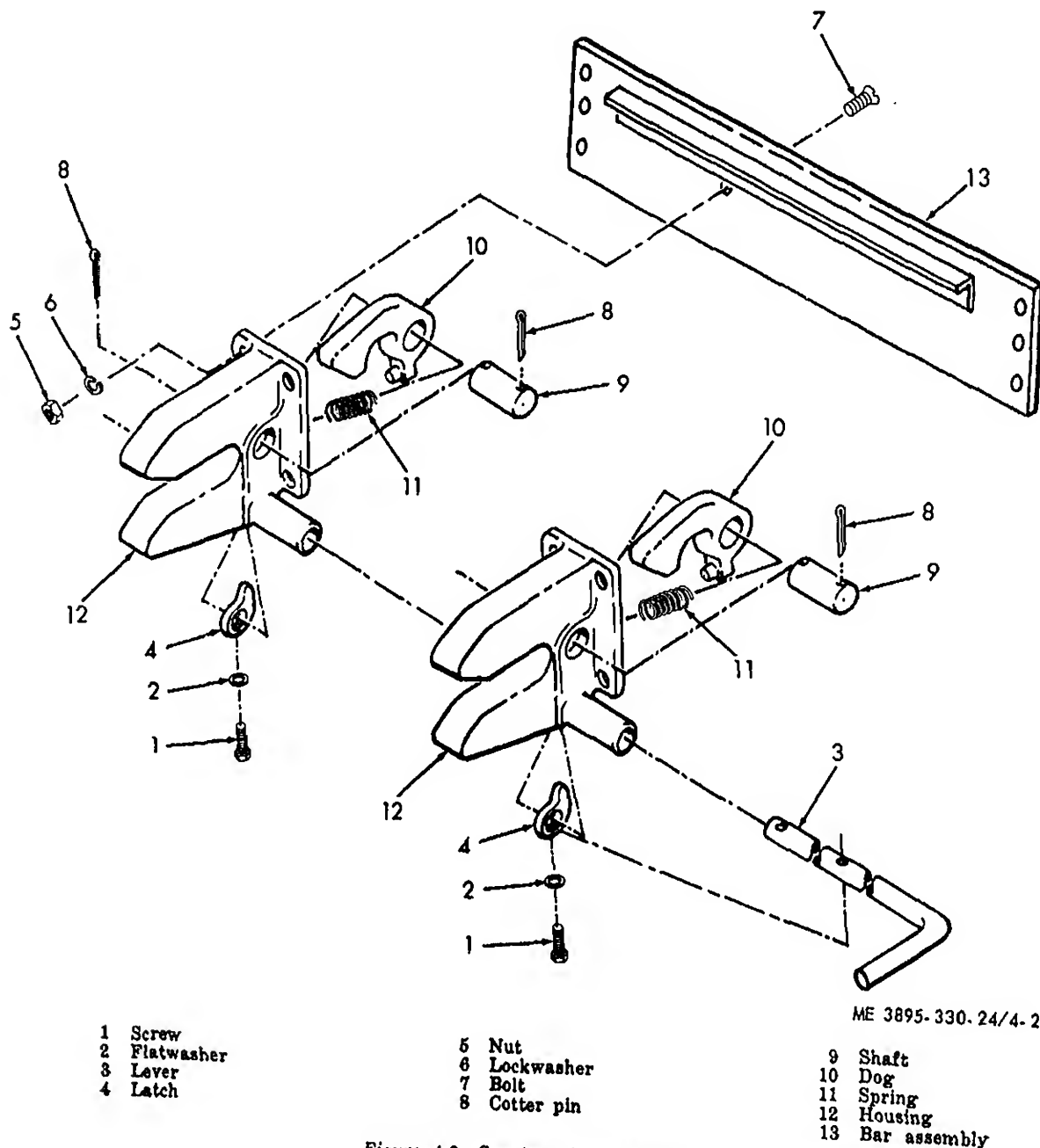


Figure 4-2. Coupler hitch assembly.

4-4. Agitator

a. *Removal.* Remove the agitator assembly as described in paragraph 3-5.

b. *Disassembly.* Disassemble the agitator assembly as illustrated in figure 4-3.

c. *Cleaning.* Clean all parts of the agitator assembly in cleaning solvent and dry thoroughly.

assembly in the reverse order of the disassembly.

g. Installation. Install the agitator assembly as described in paragraph 3-5.

- 7 Lockwasher
- 8 Nut
- 9 Shaft (Cent
- 10 Agitator sh
- 11 Bolt
- 12 Lockwasher
- 13 Nut
- 14 Shaft (LH)

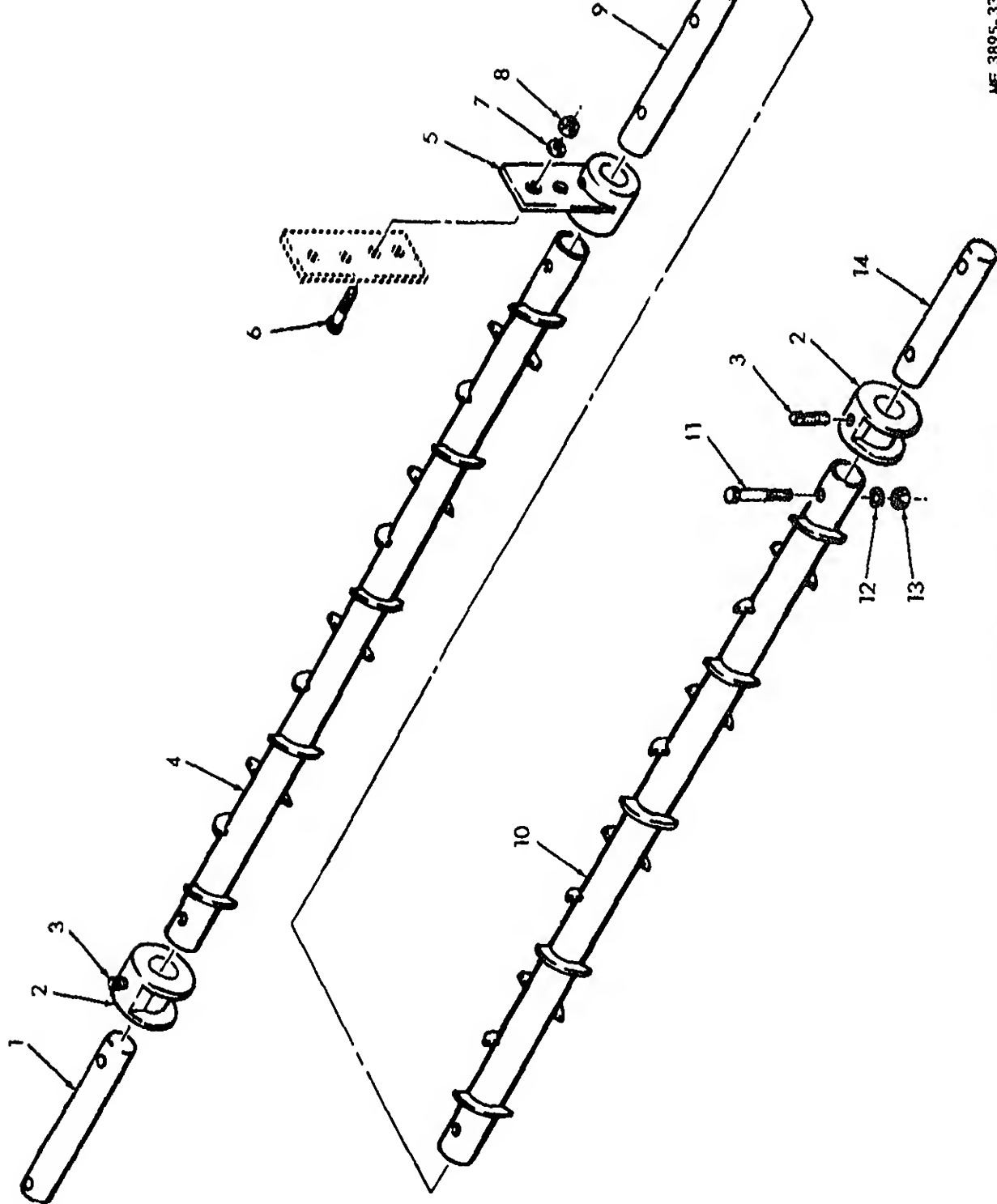


Figure 4-3. Agitator assembly.

place the feed roll if damaged to the extent that it will cause improper operation. The feed roll cannot be regrooved.

f. Reassembly. Reassemble the feed roll assembly in the reverse order of the disassembly.

assembly as described in paragraph 2-51.

e. Reassembly. Reassemble the gear box assembly in the reverse order of the disassembly.

f. Installation. Install the gear box assembly as described in paragraph 3-7.



- Figure 4.4. Gear box assembly.

A-1. Lubrication

C9100-IL
LO 3895-330-12

Fuels, Lubricants, Oils, and Waxes.
Lubrication Order.

A-2. Maintenance

TM 38-750
TM 5-3895-330-10
TM 5-3895-330-24P

Army Equipment Records Procedure.
Operator's Manual.
Organizational, Direct Support, General Support and Depot Maintenance
Repair Parts

TM 5-831D

Utilization of Engineer Construction Equipment, Asphalt and Concrete
Equipment.

TM 9-1870-1

Care and Maintenance of Pneumatic Tires.

A-3. Shipment and Storage

TM 740-90-1

Administrative Storage of Equipment.

A-4. Painting

TM 9-218

Painting Instruction for Field Use.

A-5. Demolition

TM 750-244-3

Destruction of Material to Prevent Enemy Use.

Section I. INTRODUCTION

B-1. General

a. This section provides a general explanation of all maintenance and repair functions authorized at various maintenance levels.

b. Section II designates overall responsibility for the performance of maintenance functions on the identified end item or component. The implementation of the maintenance functions upon the end item of component will be consistent with the assigned maintenance functions.

c. Section III not applicable.

d. Section IV not applicable.

B-2. Explanation of Columns In Section II

a. *Group Number, Column (1).* The assembly group is a numerical group assigned to each assembly in a top down breakdown sequence. The applicable assembly group are listed on the MAC in disassembly sequence beginning with the first assembly removed in a top down disassembly sequence.

b. *Assembly Group, Column (2).* This column contains a brief description of the components of each assembly group.

c. *Maintenance Functions, Column (3).* This column lists the various maintenance functions (A through K) and indicates the lowest maintenance level authorized to perform these functions. The symbol designations for the various maintenance levels are as follows:

Code	Explanation
C	Operator or crew
O	Organizational maintenance
F	Direct support maintenance
H	General support maintenance
D	Depot maintenance

The maintenance functions are defined as follows:

A—Inspect. To determine serviceability of an item by comparing its physical, mechanical, and electrical characteristics with established standards.

B—Test. To verify serviceability and to detect electrical or mechanical failure by use of test equipment.

C—Service. To clean, to preserve, to charge, and to add fuel, lubricants, cooling agents, and air.

D—Adjust. To rectify to the extent necessary to bring into proper operating range.

E—Align. To adjust specified variable elements of an item to bring to optimum performance.

F—Calibrate. To determine the correction to be made in the readings of instrument or test equipment used in precise measurement. Consists of the comparison of instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared with the certified standard.

G—Install. To set up for use in an operational environment such as an emplacement, or vehicle.

H—Replace. To replace unserviceable item with serviceable like items.

I—Repair. Those maintenance operations necessary to restore an item of serviceable condition through correction of material damage or a specific failure. Repair may be accomplished at each level of maintenance.

J—Overhaul. Normally, the highest degree of maintenance performed by the Army in order to minimize time work in process, consistent with quality and economy of operation. It consists of that maintenance necessary to restore an item to complete serviceable condition as prescribed maintenance standards in technical publications for each item of equipment. Overhaul normally does not return an item like new, zero mileage, or zero hour condition.

K—Rebuild. The highest degree of maintenance. It consists of restoring equipment as nearly as possible to new condition in accordance with original manufacturing standards. Rebuild is performed only when required by operational considerations or other paramount factors and is only at the depot maintenance level. Rebuild reduces to zero the hours of miles of equipment, or component thereof, has been in use.

d. *Tools and Equipment, Column (4).* This column not applicable.

e. *Remarks, Column (5).* This column not applicable.

G			Inspect	Test	Service	Adjust	Align	Calibrate	Install	Replace	Repair	Overhaul	Rebuild	
01	TRANSPORT TRUCK ASSEMBLY													
	Axle		C							O				
	Bearing		O		O					O				
	Seals									O				
	Wheels		C							O	O			
	Tires, Tubes		C		C					O	O			
02	TRUCK HITCH ASSEMBLY									O				
03	TONGUE AND PLATFORM ASSEMBLY		C								F			
04	ROLLER ASSEMBLY		O							O	F			
05	CRANK AND COUPLER HITCH ASSEMBLY				C					F	F			
06	CONTROLS													
	Gate Lever		O		C					O	O			
	Shifting Arm		O		C					F	F			
	Clutch Lever		O		C					F	F			
07	MAIN DRIVE													
	Cover		O							O				
	Agitator		O		C					F	F			
	Feed Roller		O		C					F	F			
	Sprockets, Idlers		O							F				
	Gear Box Assembly		O		C					F	F	H		
	Clutch					O				F				
	Chains		O		O					O	O			
	Wheels		C							O	O			
	Bearings				C					F				
	Tires Tubes		C		C					O	O			
	Seals		F							F				
08	HOPPER, GATES, CHUTES		O							F				

The Adjutant General.

Distribution:

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